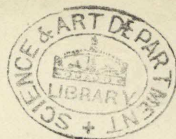


Box VI, 97 E

97 E Box 0106



1242

1862.

COMMITTEE OF PRIVY COUNCIL ON EDUCATION.

Science and Art Department.

LIST OF BOOKS FOR PREMIUMS

AWARDED BY THE

COMMITTEE OF LECTURES,

DUBLIN CASTLE,

FOR

SUPERIOR ANSWERING AT EXAMINATIONS HELD

UNDER THEIR SANCTION.

COMMITTEE.

The Right Hon. the LORD CHANCELLOR.

The CHIEF SECRETARY, or in his absence, the UNDER SECRETARY.

Sir RICHARD GRIFFITH, Bart., LL.D., M.R.I.A.

Sir ROBERT KANE, M.R.I.A., F.R.S.

The Lord TALBOT DE MALAHIDE, V.P.R.D.S., M.R.I.A.

The Right Hon. the LORD JUSTICE OF APPEAL, V.P.R.D.S., M.R.I.A.

The Rev. HUMPHREY LLOYD, D.D., S.F.T.C.D., F.R.S., V.P.R.D.S., M.R.I.A.

The Rev. JOSEPH A. GALBRAITH, F.T.C.D., M.R.I.A.

FREDERICK J. SIDNEY, LL.D., M.R.I.A.

Secretary.

DUBLIN:

PRINTED BY ALEXANDER THOM, 87, ABBEY-STREET,

FOR HER MAJESTY'S STATIONERY OFFICE.

1862.

CANDIDATES to whom Premiums have been awarded, may select from this List one or more books, taking care that the sum of the numbers affixed to those selected shall not exceed 120 for a First Class Prize, and 60 for a Second Class Prize. Every book the number attached to which is not less than 30, will be stamped with the stamp of the Committee.

A form will be sent to each Candidate which he will fill up and return to the Secretary to the Local Committee, who will transmit same to Dublin Castle, and to whom the Books will be sent when ready.

COMMITTEE OF COUNCIL ON EDUCATION.

SCIENCE AND ART DEPARTMENT.

COMMITTEE OF LECTURES—DUBLIN CASTLE.

LIST OF BOOKS FOR PREMIUMS.

Admiralty Manual of Scientific Inquiry,	108
Agassiz' and Gould's Zoology (Bohn's),	54
Airy's Lectures on Astronomy at Ipswich,	54
Andrew's Modern Husbandry,	66
Ansted's Elementary Geology, Mineralogy, and Physical Geography,	120
Archer's First Steps to Economic Botany,	30
——— Popular Economic Botany,	84
Babbage's Economy of Manufactures,	66
Babington's British Botany,	120
Bacon's Novum Organum,	54
Baine's History of Cotton Manufacture,	120
Balfour's Manual of British Botany,	120
——— Outlines of Botany,	84
Beckman's History of Inventions,	78
Beer and Maedler's Smaller Map of Moon,	30
Bell on the Hand,	84
Bell's British Reptiles,	120
Beudant, Cours Elementaire de Geologie,	66
Bentham's Handbook of the British Flora,	120
Bird's (Golding) Natural Philosophy,	120

Bowman's Introduction to Practical Chemistry, . . .	72
Brande's Lectures on Organic Chemistry, . . .	84
Brewster's Life of Newton, . . .	42
——— Natural Magic, . . .	42
——— Optics (Lardner), . . .	42
Bridgewater Treatises (Bohn):	
Chalmer's Adaptation of Nature, . . .	54
Kidd, Physical Condition of Man, . . .	42
Kirby, Instinct of Animals, 2 vols., . . .	120
Whewell, Astronomy and Physics, . . .	42
Brightwell's Life of Linnæus, . . .	42
Bristow's Glossary of Mineralogy, . . .	120
Brougham's Discourses on Objects of Science, . . .	18
Carpenter's Animal Physiology, . . .	66
——— Mechanical Philosophy, . . .	66
——— Vegetable Physiology, . . .	66
——— Zoology, 2 vols., . . .	120
——— Manual of the Microscope, . . .	120
——— Manual of Physiology, . . .	120
Carr's Cyclopædia of Practical Philosophy, . . .	54
Catlow's Popular British Entomology, . . .	84
——— Field Botany, . . .	84
——— Garden Botany, . . .	84
——— Greenhouse Botany, . . .	84
——— Zoology, . . .	84
Chambers's Mathematical Tables, . . .	42
——— Handbook of Astronomy, . . .	120
Chapman's Mineralogy, . . .	78
Chevreul on Colours (Elementary), . . .	24
——— (Complete), . . .	120
Combe's Physiology, . . .	84
Craik's Pursuit of Knowledge under Difficulties, . . .	102
——— Female Examples of the Pursuit of Knowledge under Difficulties, . . .	30
Dallas's Animal Kingdom, . . .	96
——— Elements of Entomology, . . .	96
Dana's Manual of Mineralogy, . . .	84
Darwin's Voyage of a Naturalist, . . .	96

Daubeney's Popular Geography of plants,	84
Davy's Agricultural Chemistry, by Shier,	42
De Launay's Cours Elementaire d'Astronomie,	102
———— Cours Elementaire de Mecanique,	108
———— Traite de Mecanique Rationnelle,	108
Dixon on Heat,	120
Donovan's Domestic Economy (Lardner),	42
Dowden (R.), Walks after Wild Flowers,	48
Doyle's Rural Economy,	120
Drew's Astronomy,	54
Dumas and Bousingalt's Balance of Organic Nature,	48
Edwards', Milne, Cours Elementaire Zoologie,	96
———— Elemens de Zoologie,	60
———— Introduction à la Zoologie, Générative,	42
———— Notions Preliminaires de Zoologie,	48
———— Notions d'Anatomie et de Physiologie,	60
Entertaining Knowledge Library:	
Architecture of Birds,	30
Faculties of Birds,	30
Habits of Birds,	30
Insect Architecture,	30
Insect Miscellanies,	30
Materials of Manufacture,	30
Timber Trees and Fruits,	30
Vegetable Substances used as Food by Man,	30
Forbes' Chamouni and Mont Blanc,	54
Fownes' Chemistry,	120
Fresenius's Qualitative Analysis,	108
Galbraith and Haughton's Manuals:	
Algebra,	30
Arithmetic,	30
Astronomy,	30
Hydrostatics,	30
Mathematical Tables,	36
Mechanics,	36
Optics,	36
Trigonometry,	36
Galloway's First Steps in Chemistry,	54

Galloway's Qualitative Analysis,	54
Ganot, Cours de Physique,	96
Gavarret, Traité d'Electricité, vol. 1,	108
————— vol. 2,	108
Gosse's Romance of Natural History, 1st series,	84
————— 2nd series,	84
————— Evenings with the Microscope,	90
————— Life in its Lower Forms,	54
————— Marine Zoology, vol. 1,	84
————— vol. 2,	84
————— Natural History—Birds,	42
————— Fishes,	42
————— Mammalia,	42
————— Mollusca,	42
————— Reptiles,	42
————— The Ocean (illustrated),	48
————— Popular Ornithology,	84
————— Text Book of Zoology,	42
Grant's History of Physical Astronomy,	90
Gray (Asa), First Lessons in Botany,	66
————— How Plants grow,	54
————— Structural Botany,	120
Greene's Manual of the Protozoa,	30
————— Coelenterata,	54
Gregory's Inorganic Chemistry,	72
————— Organic Chemistry,	120
Griffith's Chemistry of the Four Seasons,	84
Groves's Correlation of Physical Forces,	78
Guyot's Earth and Man,	84
Hardwicke's Photographic Chemistry,	84
Harris's Rudimentary Treatise on Magnetism,	42
Hart's Hydrostatics,	48
————— Mechanics,	60
Harvey's Sea-side Book,	54
————— Synopsis of British Sea-weeds,	54
Henfrey's Elementary Course of Botany,	120
————— Physiological and Structural Botany,	120
————— Rudiments of Botany,	42

Henfrey's Vegetation of Europe,	54
Hereford's (The Dean of) Phenomena of Industrial Life,	24
Herschell's Astronomy (Lardner),	42
----- The Telescope,	42
----- Meteorology,	54
----- Physical Geography,	84
----- Introductory Discourse on Study on Natural Philosophy (Lardner),	42
Hodges' First Steps in Practical Chemistry,	36
----- First Book of Lessons in Agricultural Chemistry,	30
Hughes' Manual of Geography,	84
----- British Geography,	24
----- Mathematical Geography,	48
----- Physical Geography,	42
Humboldt's Aspect of Nature,	78
----- Cosmos, 2 vols.,	78
Hunt on Light,	120
Jardine's Naturalist's Library:	
Birds—	
Birds of Western Africa, 2 vols.,	108
British Birds, 2 vols.,	108
Fly-Catchers,	54
Game Birds,	54
Humming Birds, 2 vols.,	108
Parrots,	54
Pheasants, Peacocks, &c.,	54
Pigeons,	54
Sun Birds,	54
Mammals—	
Introduction,	54
British Quadrupeds,	54
Dogs, 2 vols.,	108
Elephants,	54
Horses,	54
Lions, Tigers,	54
Marsupialia,	54
Monkeys,	54
Ruminating Animals, 2 vols.,	108

Mammals—*continued*.

Seals, &c.,	54
Whales, &c.,	54
Insects—	
Introduction to Entomology,	54
British Butterflies,	54
British Moths, &c.,	54
Foreign Butterflies,	54
Foreign Moths,	54
Beetles,	54
Bees,	54
Fishes—	
Introduction and Foreign Fishes,	54
British Fishes, 2 vols.,	108
Fishes of Guiana, 2 vols.,	108
Perch, &c.,	54
Johnston's Astronomical Atlas,	120
———— Physical Atlas,	120
———— Chemistry of Common Life,	120
———— Catechism of Agricultural Chemistry,	12
———— Elements of Agricultural Chemistry and Geology,	72
———— Instructions for Analysis of Soils,	24
Johns' Flowers of the Field,	72
Jones' Chemistry of Wines,	66
Jukes' Manual of Geology,	120
———— Physical Geology,	84
Jussieu's Botany, by Wilson (Bohn's Series),	66
———— Cours Elementaire Botanique,	84
Kater and Lardner's Mechanics,	42
Kemp's Agricultural Physiology,	72
Kirby and Spence's Entomology, 7th edition,	54
Kirke's Handbook of Physiology,	120
Knight's Dog,	18
———— Elephant,	18
———— Horse,	18
———— Mammalia,	18
———— Monkey,	18
Knox, T., Game Birds and Wild Fowl,	108

Knox, T., Ornithological Rambles in Sussex,	84
Kœmtz' Meteorology,	120
Landsborough's Popular History of Sea-weeds,	84
----- Zoophytes,	84
Lankester's Uses of Animals to Man, 1st Course,	36
----- 2nd Course,	36
----- on Food,	36
----- Half-hours with the Microscope,	30
Lardner's Animal Physics,	120
----- Animal Physiology for Schools,	42
----- Bee and White Ants,	24
----- Common Things Explained, 2 series, each,	30
----- Electric Telegraph,	24
----- Handbook of Astronomy,	84
----- " Electricity and Magnetism,	54
----- " Hydrostatics, Pneumatics, and Heat,	54
----- " Mechanics,	54
----- " Optics and Acoustics,	54
----- Microscope,	24
----- Natural Philosophy for Schools,	42
----- Popular Astronomy,	54
----- Popular Physics,	30
----- Steam Engine,	96
----- Steam and its Uses,	24
Latham's Ethnology of British Islands,	54
----- Colonies,	54
----- Europe,	54
----- Man and his Migrations,	54
Liebig's Agricultural Chemistry,	72
----- Animal Chemistry, part 1,	72
----- Familiar Letters on Chemistry, by Blyth,	84
----- Familiar Lectures on Organic Analysis,	54
----- Letters on Modern Agriculture,	66
----- Principles of Agricultural Chemistry,	42
Lindley's Elements of Botany,	120
----- School Botany,	54
Lindsay's Popular British Lichens,	84
Lloyd's Elements of Optics,	72

Lloyd's Wave Theory of Light,	96
Loomis's Progress of Astronomy in America,	84
Lord's Popular Physiology,	54
Lowry's Character of Fossils,	66
Macgillivray's Manual of British Ornithology,	78
Mahon's Mineral Agent's Handbook,	42
Mann's Astronomy,	42
——— Physiology,	54
Mantell's Fossils of the British Museum,	66
——— Geology, by Jones, vol. 1,	84
——— ———— vol. 2,	84
——— Geological Excursions,	54
——— Petrifactions and their Teachings,	66
March Winds and April Showers,	54
Maunder's Treasury of Natural History,	108
Maury's Physical Geography of the Sea,	108
May Flowers,	54
Mechi's How to Farm Profitably,	30
Menageries, E. K. S.,	102
Miller's Chemical Physics,	120
Miller's, Hugh, My Schools and Schoolmasters,	84
——— Old Red Sandstone,	84
——— Sketch Book of Geology,	84
——— Testimony of the Rocks,	84
Moore's Agricultural Grasses,	120
——— History of British Ferns,	84
——— British Ferns,	42
Morton's Nature and Property of Soils,	120
Moseley's Astronomy,	42
——— Illustrations of Mechanics,	90
Mudie's British Birds, 2 vols.,	120
Mulder's Chemistry of Wine, by Bence Jones,	66
Murphy's Agricultural Instruction,	18
Napier's Manual of the Art of Dyeing,	84
Nesbit's Agricultural Chemistry,	48
Newman's Insect Hunters,	18
Nicol's Elements of Mineralogy,	54
Ogilvie's Master Builder's Plan,	27

Orr's Circle of the Sciences :

Vol. I. Organic Nature, vol. 1, . . .	54
II. Organic Nature, vol. 2, . . .	54
III. Organic Nature, vol. 3, . . .	54
IV. Geology, Crystallography, &c., . . .	54
V. Navigation and Nautical Astronomy, . . .	54
VI. Elementary Chemistry, . . .	54
VII. Practical Chemistry, . . .	54
VIII. Mathematics, . . .	54
IX. Mechanical Philosophy, . . .	54
Separate Treatises as under—	
Ansted's Geological Science, . . .	30
Breen's Practical Astronomy, . . .	30
Bronner and Scoffern's Chemistry of Food and Diet, . . .	18
Bushnan's Physiology of Animal and Vegetable Life, . . .	18
Chemistry of Artificial Life, . . .	18
Gore's Theory and Practice of Electro-Deposition, . . .	18
Imray's Practical Mechanics, . . .	18
——— On the Steam Engine, . . .	21
Jardine's Practical Geometry, . . .	12
Latham's Varieties of the Human Species, . . .	12
Mitchell and Tennant's Crystallography and Mineralogy, . . .	36
——— Properties of Matter, and Elementary Statics, . . .	18
Owen's Principal Forms of the Skeleton and the Teeth, . . .	18
Scoffern's Chemistry of the Imponderable Agents—	
Light, Heat, and Electricity, . . .	36
Chemistry of the Inorganic Bodies, . . .	36
Scoffern and Lowe's Practical Meteorology, . . .	18
Smith's Botany, Structural and Systematic, . . .	24
Sparling's Photographic Art, . . .	24
Twisden's Plane and Spherical Trigonometry, . . .	18
On Series and Logarithms, . . .	12
Young's Elements of Algebra, . . .	12
Solutions of Questions in Algebra, . . .	12
Navigation and Nautical Astronomy, . . .	30
Plane Geometry, . . .	18
Simple Arithmetic and its Applications, . . .	12
Elementary Dynamics, &c., . . .	18

Page's Geological Text Book,	20
——— Advanced Text Book of Geology,	66
——— Past and Present Life of the Globe,	66
Patterson's First Steps to Zoology,	36
——— Zoology for Schools,	66
Pereira's Polarized Light,	78
Phillips' Guide to Geology,	54
——— Life on the Earth,	66
——— Manual of Geology,	120
——— Metallurgy,	120
Pouillet's Notions de Physique,	78
Powell's History of Natural Philosophy (Lardner),	42
Price's Photographic Chemistry,	72
Regnault's Elemens de Chemié,	72
Rennie's Insect Architecture (New Edition),	54
Rham's Dictionary of the Farm,	54
Richardson's Geology,	54
Riddle's Navigation,	120
Roget, Electricity and Magnetism,	48
Rusticus's Letters on Natural History,	96
Scheerer's Book of the Blow-pipe,	54
Schœdler's and Medlock's Book of Nature,	96
Seoffern's Philosophy of Common Life,	54
——— Chemistry of Soils,	48
Seeman's History of Palms,	84
Sibson and Voelcker's Agricultural Chemistry,	30
Smee's Electro-Metallurgy,	120
Smith's Blow-pipe Vade Mecum, by Professor Haughton,	42
Solly's Rural Chemistry,	54
Somerville's Connexion of the Sciences,	96
——— Physical Geography,	96
Sowerby's History of the Aquarium,	84
——— Popular Conchology,	84
Stark's Popular History of Mosses,	84
Steele's Hand-book of Botany,	90
Stephenson, Life of, by Smiles,	66
Stockhardt's Chemistry,	54
——— Chemical Field Lectures,	54

Struves's <i>Astronomie Stellaire</i> ,	54
Swainson's <i>Animals in Menageries</i> ,	42
——— <i>Classification of Animals</i> ,	42
——— <i>Habits and Instincts of Animals</i> ,	42
——— <i>Birds</i> , 2 vols.,	78
——— <i>Discourse on Natural History</i> ,	42
——— <i>Fishes and Reptiles</i> , 2 vols.,	78
——— <i>Quadrupeds</i> ,	42
——— <i>Shells and Shellfish</i> ,	42
——— <i>Taxidermy and Bibliography</i> ,	42
Tate's <i>Natural Philosophy</i> ,	78
Trail's <i>Physical Geography</i> ,	66
Ure's <i>Cotton Manufacture</i> , 2 vols.,	108
——— <i>Philosophy of Manufactures</i> ,	78
Ward (N. B.) on <i>Closed Glass-cases for Plants</i> ,	66
Ward (Hon. Mrs.) on the <i>Microscope</i> ,	42
——— <i>Telescope Teachings</i> ,	42
Watters' <i>Birds of Ireland</i> ,	54
Weale's Series:	
<i>Algebra, Elements of, for the use of Schools and Self-Instruction</i> , by James Haddon, M.A., 2 vols.,	24
<i>Algebra, Key to the Elements of</i> , by Prof. Young, late of Belfast College,	18
<i>Architecture, Orders of</i> , by W. H. Leeds,	12
<i>Architecture, Styles of</i> , by T. Bury, Architect,	18
<i>Architecture, Principles of Design in</i> , by E. L. Garbett, Architect, 2 vols.,	24
<i>Arithmetic, Elementary Treatise on, the Theory, and numerous Examples for Practice, and for Self-Examination</i> , by Prof. J. R. Young,	18
<i>Arithmetic, Key to</i> ,	18
<i>Book-keeping, Treatise on</i> , by James Haddon, M.A.,	12
<i>Brick-making, Tile-making, &c., Art of</i> , by E. Dobson, C.E., 2 vols.,	24
<i>Chemistry</i> , by Prof. Fownes, F.R.S., including <i>Agricultural Chemistry</i> , for the use of Farmers,	12
<i>Clock and Watchmaking, and on Church Clocks, Treatise on</i> , by E. B. Denison, M.A., 2 vols.,	24

Wells's Series—continued.

12	Natural Philosophy, by Charles Tomlinson.
12	Painting, Art of or a Grammar of Colouring by George
24	Field, Pap. 2 vols.
24	Respective, by G. J. J. Artist, 2 vols.
12	Pneumatics, by Charles Tomlinson.
24	Steam as applied to General Purposes and Locomotive
24	Engines, Treatise on, by J. Sewell, C.E., 2 vols.
12	Steam Engine, Treatise on the, by Dr. Lardner.
24	Trigonometry, Plane and Spherical, Treatise on.
24	Warming and Ventilation, Treatise on the Principles of
24	the Art of, by Charles Tomlinson, 2 vols.
24	Tower of Water as applied to drive Four Mills, Tre-
24	tise on the, by Joseph Glyn, F.R.S., C.E.
	Weights and Measures of all Nations: comprising full
	and accurate information relating to English Dis-
	tances, Weights, Coins, and the various Divisions of
	Time, with the principles which determine the
DUBLIN: Printed by ALEXANDER THOM, 87 & 88, Abbey-street,	
For Her Majesty's Stationery Office.	
18	Rules for the
84	White's British Chronicle
84	History of Birk, 1844
84	Almanac
84	Belmore, by J. J. (Bobb)
84	Whitley's Application of Geology to Agriculture
36	Wilson's Chemistry
102	Winter's Geometrical Drawing, 2 parts
30	Wittich's Physical Geography
42	Wöhler's Inorganic Analysis
42	Wood's Common Objects of the Country
42	Microscope
42	Sea Shore
	Woodward's Rudimentary Treatise on Recent and Fossil
72	Shells
90	Yonck's Treatise on Cattle
90	Sheep
88	the Dog
108	the Horse
66	Normal's, Recreations in Physical Geography